Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Eric Langlois	06/06/2008
Thomas Chen	06/24/2008
Xin Zhang	06/12/2008
Kieran P. Harney	07/28/2008

RECEIVING PARTY DATA

Name:	Analog Devices, Inc.
Street Address:	One Technology Way
City:	Norwood
State/Country:	MASSACHUSETTS
Postal Code:	02062-9106

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12133599

CORRESPONDENCE DATA

Fax Number: (617)443-0004

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 617-443-9292

Email: etrudell@bromsun.com
Correspondent Name: Steven G. Saunders

Address Line 1: Bromberg & Sunstein LLP, 125 Summer St.

Address Line 4: Boston, MASSACHUSETTS 02110-1618

ATTORNEY DOCKET NUMBER:	2550/B99
NAME OF SUBMITTER:	Steven G. Saunders

Total Attachments: 16

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PATENT REEL: 021341 FRAME: 0756

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<u>ASSIGNMENT</u>

ASSIGNOR:

Eric Langlois Thomas Chen Xin Zhang

Kieran P. Harney

ASSIGNEE:

Analog Devices, Inc.
One Technology Way

Norwood, MA 02062-9106

INVENTION:

Microphone with Aligned Apertures

ATTORNEY DOCKET:

2550/B99

SERIAL NO:

12/133,599

FILING DATE:

June 5, 2008

Assignor is a joint inventor of the above invention (the "Invention") described in a United States patent application (the "Application") bearing the above attorney docket number and having as a title the above name for the Invention. The Application has a Patent and Trademark Office filing date and serial number as indicated above, or if no filing date and serial number are shown, has a Declaration executed by Assignor contemporaneously with this Assignment.

For valuable consideration, receipt of which is acknowledged, each Assignor hereby assigns to Assignee (which term shall include Assignee's successors and assigns), all of Assignor's right, title and interest in the Invention, all improvements therein, the Application and all priority rights arising therefrom, and any patents, and any reissues and extensions thereof, which issue in any country upon any patent applications which correspond with any of the following: the Application, any divisional, continuation-in-whole, or substitute United States application which is based on the Application; or any continuation-in-part United States application (including divisions, continuations-in-whole or -in-part, and substitutions thereof or therefor) based in-part on any of the above described applications.

Each Assignor further agrees that such Assignor and Assignor's heirs and legal representatives will, without further consideration, cooperate with Assignee in the prosecution of all of the above applications, execute, verify, acknowledge and deliver all such further papers, including applications for patents and for reissues and extensions therefor, and instruments of assignment and transfer thereof, and will communicate any facts known to Assignor relating to the Invention, to obtain or maintain or enforce patents for the Invention and improvements therein in any and all countries and to vest title thereto in Assignce. Each Assignor further agrees that such Assignor will, without further compensation to Assignor during the term of such Assignor's employment by Assignee and thereafter for reasonable compensation as determined by Assignee, perform such other acts as may be reasonably required when requested by Assignee, including attending depositions, preparing and executing declarations and affidavits and testifying as a witness, to obtain or maintain or enforce patents for the Invention and improvements therein in any and all countries and to vest title thereto in Assignee.

IN WITNESS WHEREOF, each Assignor hereby executes this instrument on the date set forth below.

Date:	June 6, 2008	Eu Janglois	
	-0	Eric Langlois, Assigner	

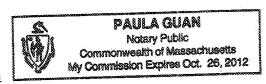
COMMONWEALTH OF MASSACHUSETTS

County of MindelCope, ss.	<u>0 / 0</u> , 2008
A Company of the Comp	
On this 6 day of $\sqrt{3}$ and $\sqrt{6}$, 2008, before me, the undersigned	med notary public,
personally appeared Eric Langlois, proved to me through satisf	actory evidence of
dentification, which consisted of MA. Drivers Ucense,	to be the person
whose name is signed on the preceding or attached document, an	
me that he/she signed it voluntarily for its stated purpose.	

Seal

Nótary Public

My commission expires: 10/26/28/2



rte

s ms Hosas

Date,	Thomas Chen, Assignor
COMMON	WEALTH OF MASSACHUSETTS
County of, ss.	, 2008
personally appeared Thomas Cher	2008, before me, the undersigned notary public in, proved to me through satisfactory evidence of, to be the person eding or attached document, and acknowledged to for its stated purpose.
0.1	N. 111
Seal	Notary Public
	My commission expires:
Date:	Xin Zhang, Assignor
COMMONV	VEALTH OF MASSACHUSETTS
County of, ss.	, 2008
personally appeared Xin Zhang, identification, which consisted of	2008, before me, the undersigned notary public, proved to me through satisfactory evidence of, to be the person eding or attached document, and acknowledged to for its stated purpose.
Seal	Notary Public
	My commission expires:

Date:	
	Kieran P. Harney, Assignor
COMMO	NWEALTH OF MASSACHUSETTS
County of, ss.	, 2008
personally appeared Kieran P. Hidentification, which consisted	, 2008, before me, the undersigned notary public, armey, proved to me through satisfactory evidence of of, to be the person ecceding or attached document, and acknowledged to ally for its stated purpose.
Seal	Notary Public
	My commission expires:

ASSIGNMENT

ASSIGNOR:

Eric Langlois

Thomas Chen Xin Zhang

Kieran P. Harney

ASSIGNEE:

Analog Devices, Inc.

One Technology Way

Norwood, MA 02062-9106

INVENTION:

Microphone with Aligned Apertures

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Each Assignor further agrees that such Assignor and Assignor's heirs and legal representatives will, without further consideration, cooperate with Assignee in the prosecution of all of the above applications, execute, verify, acknowledge and deliver all such further papers, including applications for patents and for reissues and extensions therefor, and instruments of assignment and transfer thereof, and will communicate any facts known to Assignor relating to the Invention, to obtain or maintain or enforce patents for the Invention and improvements therein in any and all countries and to vest title thereto in Assignee. Each Assignor further agrees that such Assignor will, without further compensation to Assignor during the term of such Assignor's employment by Assignee and thereafter for reasonable compensation as determined by Assignee, perform such other acts as may be reasonably required when requested by Assignee, including attending depositions, preparing and executing declarations and affidavits and testifying as a witness, to obtain or maintain or enforce patents for the Invention and improvements therein in any and all countries and to vest title thereto in Assignee.

IN WITNESS WHEREOF, each Assignor hereby executes this instrument on the date set forth below.

Date:		
	Eric Lan	glois, Assignor
C	COMMONWEALTH OF MA	SSACHUSETTS
County of	, ss.	, 2008
personally appeared Eri identification, which co whose name is signed o	ic Langlois, proved to me the consisted of	the undersigned notary public, hrough satisfactory evidence of, to be the person document, and acknowledged to ose.
Seal	Notary P	ublic
	My com	mission expires:

Page 2 of 4

Date: 6/24/2008	Thomas Chen
Thomas Chen, Assignor	
COMMONWEALT	TH OF MASSACHUSETTS
County of MIDOLESEX, SS.	<u>6/24</u> , 2008
On this 24th day of, 2008, b personally appeared Thomas Chen, prove identification, which consisted of whose name is signed on the preceding or me that he/she signed it voluntarily for its s	to the through satisfactory evidence of the person attached document, and acknowledged to tated purpose.
Seal	Notary Public Damiga
VERONICA DOMINGUEZ Notary Public COMMONWEALTH OF MASSACHUSETTS My Commission Expires March 21, 200 Date:	
	Xin Zhang, Assignor
COMMONWEALT	H OF MASSACHUSETTS
County of, ss.	, 2008
On this day of, 2008, be personally appeared Xin Zhang, proved identification, which consisted of whose name is signed on the preceding or me that he/she signed it voluntarily for its st	to me through satisfactory evidence of to be the person attached document, and acknowledged to
Seal	Notary Public
	My commission expires:

Page 3 of 4

02550/00B99 886947.1

Date:	
	Kieran P. Harney, Assignor
COMMO	NWEALTH OF MASSACHUSETTS
County of, ss.	, 2008
personally appeared Kieran P. Hi identification, which consisted	eceding or attached document, and acknowledged to
Seal	Notary Public
	My commission expires:

ASSIGNMENT

ASSIGNOR:

Eric Langlois

Thomas Chen Xin Zhang

Kieran P. Harney

ASSIGNEE:

Analog Devices, Inc.

One Technology Way

Norwood, MA 02062-9106

INVENTION:

Microphone with Aligned Apertures

ATTORNEY DOCKET:

2550/B99

SERIAL NO:

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FILING DATE:

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For valuable consideration, receipt of which is acknowledged, each Assignor hereby assigns to Assignee (which term shall include Assignee's successors and assigns), all of Assignor's right, title and interest in the Invention, all improvements therein, the Application and all priority rights arising therefrom, and any patents, and any reissues and extensions thereof, which issue in any country upon any patent applications which correspond with any of the following: the Application, any divisional, continuation-in-whole, or substitute United States application which is based on the Application; or any continuation-in-part United States application (including divisions, continuations-in-whole or -in-part, and substitutions thereof or therefor) based in-part on any of the above described applications.

Each Assignor further agrees that such Assignor and Assignor's heirs and legal representatives will, without further consideration, cooperate with Assignee in the prosecution of all of the above applications, execute, verify, acknowledge and deliver all such further papers, including applications for patents and for reissues and extensions therefor, and instruments of assignment and transfer thereof, and will communicate any facts known to Assignor relating to the Invention, to obtain or maintain or enforce patents for the Invention and improvements therein in any and all countries and to vest title thereto in Assignee. Each Assignor further agrees that such Assignor will, without further compensation to Assignor during the term of such Assignor's employment by Assignee and thereafter for reasonable compensation as determined by Assignee, perform such other acts as may be reasonably required when requested by Assignee, including attending depositions, preparing and executing declarations and affidavits and testifying as a witness, to obtain or maintain or enforce patents for the Invention and improvements therein in any and all countries and to vest title thereto in Assignee.

IN WITNESS WHEREOF, each Assignor hereby executes this instrument on the date set forth below.

Date:	
	Eric Langlois, Assignor
COMMONWEA	ALTH OF MASSACHUSETTS
County of, ss.	, 2008
personally appeared Eric Langlois, pridentification, which consisted of	s, before me, the undersigned notary public, roved to me through satisfactory evidence of, to be the person g or attached document, and acknowledged to its stated purpose.
Seal	Notary Public
	My commission expires:

Page 2 of 4

Date:	
	Thomas Chen, Assignor
COMMONWEALT	TH OF MASSACHUSETTS
County of, ss.	, 2008
personally appeared Thomas Chen, providentification, which consisted of	pefore me, the undersigned notary public, ed to me through satisfactory evidence of, to be the person r attached document, and acknowledged to stated purpose.
Seal	Notary Public
	My commission expires:
Date: 6/12/2008 COMMONWEALT	Xin Zhang, Assignor TH OF MASSACHUSETTS
County of Middles Exss.	Zune 12, 2008
personally appeared Xin Zhang, proved identification, which consisted of	to me through satisfactory evidence of to be the person attached document, and acknowledged to stated nurpose
Seal	Notary Public
	My commission expires: ELAINE P. FRANCIS Notary Public Commonwealth of Massachusetts My Commission Expires March 29, 2013

Date:	Kieran P. Harney, Assignor
COMPACE	
COMMON	WEALTH OF MASSACHUSETTS
County of, ss.	, 2008
personally appeared Kieran P. Ha identification, which consisted	2008, before me, the undersigned notary public, arney, proved to me through satisfactory evidence of of, to be the person ceding or attached document, and acknowledged to by for its stated purpose.
Seal	Notary Public
	My commission expires:

Page 4 of 4

ASSIGNMENT

ASSIGNOR:

Eric Langlois

Thomas Chen Xin Zhang

Kieran P. Harney

ASSIGNEE:

Analog Devices, Inc.

One Technology Way

Norwood, MA 02062-9106

INVENTION:

Microphone with Aligned Apertures

ATTORNEY DOCKET:

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SERIAL NO:

12/133,599

FILING DATE:

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For valuable consideration, receipt of which is acknowledged, each Assignor hereby assigns to Assignee (which term shall include Assignee's successors and assigns), all of Assignor's right, title and interest in the Invention, all improvements therein, the Application and all priority rights arising therefrom, and any patents, and any reissues and extensions thereof, which issue in any country upon any patent applications which correspond with any of the following: the Application, any divisional, continuation-in-whole, or substitute United States application which is based on the Application; or any continuation-in-part United States application (including divisions, continuations-in-whole or -in-part, and substitutions thereof or therefor) based in-part on any of the above described applications.

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IN WITNESS WHEREOF, each Assignor hereby executes this instrument on the date set forth below.

Date:	
	Eric Langlois, Assignor
COMMONWEALT	H OF MASSACHUSETTS
County of, ss.	, 2008
On this day of, 2008, be personally appeared Eric Langlois, proved identification, which consisted of whose name is signed on the preceding or me that he/she signed it voluntarily for its state.	d to me through satisfactory evidence of to be the person attached document, and acknowledged to
Seal	Notary Public
	My commission expires:

Date:	
	Thomas Chen, Assignor
COMMON	NWEALTH OF MASSACHUSETTS
County of, ss.	, 2008
personally appeared Thomas Chidentification, which consisted	2008, before me, the undersigned notary public en, proved to me through satisfactory evidence of, to be the person ceding or attached document, and acknowledged to y for its stated purpose.
	y 101 to stated purpose.
Seal	Notary Public
	My commission expires:
Date:	Xin Zhang, Assignor
COMMON	WEALTH OF MASSACHUSETTS
County of, ss.	, 2008
personally appeared Xin Zhang.	2008, before me, the undersigned notary public, proved to me through satisfactory evidence of, to be the person reding or attached document, and acknowledged to for its stated purpose.
Seal	Notary Public
	My commission expires:

Date: 28 52/2 08	30 /	Trly	28	Date:
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Kieran P. Harney, Assignor

COMMONWEALTH OF MASSACHUSETTS

County of Mrd) lesex, ss.

7/28,2008

On this $\frac{3}{8}$ day of $\frac{3}{9}$, 2008, before me, the undersigned notary public, personally appeared Kieran P. Harney, proved to me through satisfactory evidence of identification, which consisted of $\frac{1}{12}$, to be the person whose name is signed on the preceding or attached document, and acknowledged to me that he/she signed it voluntarily for its stated purpose.

Seal

MICHAEL J. SANIUK
NOTARY PUBLIC
Germonwealth of Massachusetts
My Commission Expires 10/26/2012

My commission expires:

Page 4 of 4

RECORDED: 08/05/2008